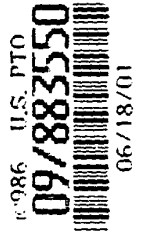


PATENT
Attorney Docket No. P01936US5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of: William E. Marshall
For: METHODS AND COMPOSITIONS FOR MODULATING THE IMMUNE SYSTEMS
OF ANIMALS



the specification of which is being transmitted herewith.

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

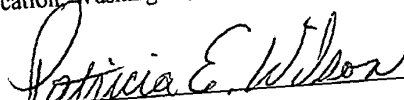
Dear Sir:

Attached are Forms PTO/SB/08A and 08B (formerly Form PTO-1449) listing the relevant art known to the applicant herein. The Examiner is requested to consider the references and make them of record. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. 09/193,653, filed on November 17, 1998. The following references were]submitted to, and/or cited by, the Patent Office in the prior application(s) and, therefore, are not required to be provided in this application.

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. Legible copies of all items listed in Forms PTO/SB/08A and 08B (formerly Form PTO-1449) accompany this information statement, except those identified above.

CERTIFICATE OF MAILING BY EXPRESS MAIL

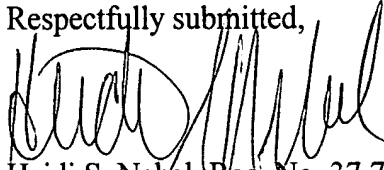
I hereby certify that this document and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service in an envelope as "Express Mail Post Office to Addressee" addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231, prior to 5:00 p.m. on the 18th day of June, 2001.


Patricia E. Wilson
Express Mail Label # EL745292475US

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

Respectfully submitted,



Heidi S. Nebel, Reg. No. 37,719

ZARLEY, McKEE, THOMTE, VOORHEES
& SEASE

801 Grand Avenue, Suite 3200

Des Moines, Iowa 50309-2721

Phone No. (515) 288-3667

Fax No. (515) 288-1338

CUSTOMER NO: 22885

- pw-

Attorneys of Record